

Project Readiness Overview

August 14, 2017

1 Project Roles

- Project Manager: Pavi
- Document Manager: Ben
- Coding Manager: tbd
- Coding and Documentation: All inclusive
- Testing: All members to write at least one test script

2 Group Strengths

2.1 Coding Background

- Several members have previous in-depth coding experience.
- All members have worked on group projects previously.
- At least one member has worked in industry for over a year.
- Group members' attitudes are cohesive and personable.

3 Process Model

3.1 Model choice

The team will use a mixture of agile method and waterfall method.

The Waterfall method structure will be used to provide an idea for internal milestones to set for the team and to allow the meeting of documentation and software goals.

The Agile method will be used to allow for increased productivity from an experienced team and allow continuous and frequent delivery of software to the client.

3.2 Model choice rationale

Waterfall model:

- Facilitates production of complete documentation during the life of the project.
- Requirements are unlikely to change significantly throughout the project
- Structure is easy to adhere to and allows a template for internal milestones

Agile method:

- Allows experimentation and quick production of working software, this is advantageous as we are working with software libraries with which we have no previous experience.
- Easy to track work done and create short term milestones
- Takes advantage of team's coding experience
- Allows quick response to any necessary requirements changes

4 Git Organization

5 Distribution of Labor

5.1 Meetings

The internal and client meetings will have a rotating roster for Chair person, Minute taker, Time keeper and Facilitator.

5.2 Coding

Coding the first part of the project has been split into two parts: Robot and GUI. The Robot portion will include motor and sensor method implementation.

This will be handled by:

- Sammy
- John
- Pavi
- Issac

While the GUI portion will handle the representation of the remote control and the map.

This will be handled by:

- Ben
- Sean

5.3 Documentation

Documentation creation and proofreading shall be shared on a rotating roster. Documentation content can be generated via brainstorm sessions. All deliverable documentation is to be written in LaTeX and outputted to pdf for client.

6 Leadership

Responsibilities for milestones will be allocated individually based on experience and competency. Final decisions for project deliverables will be made via discussion and general consensus or, in the case of disagreement, majority vote. Project Manager will be responsible for checking on general team progress.

Documentation Manager will be responsible for proof reading final documentation to client and possibly collating separate documentation components into single document.

Coding manager will be responsible for ensuring coding is kept to consistent standard and functional.

Testing manager may be required for ensuring testing is being written and completed successfully.